

ABSTRACT OF THE DISCLOSURE

An apparatus and method for performing vertebroplasty are provided. In one embodiment of the invention, there is provided a kit for performing vertebroplasty having two trays, each tray having the necessary components for performing vertebroplasty via each pedicle of the damaged vertebrae. Each tray is sterilized, so that if the vertebroplasty performed via one pedicle is sufficient, then the second tray can be saved for later use. In another embodiment, each tray within the kit has two cements, each cement having different imaging properties, such that each cement will appear different when viewed with an imaging device in the lateral plane and/or will be viewable when overlapping. A presently preferred embodiment involves two trays having methylmethacrylate powder but each tray has a different amount of opacifier, either as supplied or added by the vertebroplasty professional, such that when each cement is mixed and injected, each cement is visible when exposed to X-ray lateral fluoroscopy. A method is also provided that utilizes the kit, and which allows a medical professional to monitor a second injection of cement via the second pedicle and thus reduce the risk of spinal cord compression or venous filling due to unwanted flow of cement into the spinal canal.